



Glacial Outwash Process Group

				
	<p><u>GOL - Glacial Outwash Flood Plain Side Channel (former -GO1)</u> A secondary, glacial outwash, overflow channel.</p> <p><u>Stream Gradient:</u> <1% <u>Incision Depth:</u> <4 m (13 ft) <u>Bankfull Width:</u> 10-200 m (33-660 ft)</p> <p><u>Dominant Substrate:</u> Sand to coarse gravel <u>Stream Bank Composition:</u> Alluvium <u>Sideslope Length/Angle:</u> Not significant except in glacial moraine deposits.</p> <p><u>Associated Landforms:</u> 53, 64 <u>Plant Association:</u> Nonforest alder, willow, & cottonwood, S.Spruce/Devil's club</p>	<p><u>GOL - Large Meandering Glacial Outwash Channel (former - GO2)</u> A wide singular glacial silt laden channel in broad glacial outwash valleys.</p> <p><u>Stream Gradient:</u> < 3% <u>Incision Depth:</u> ≤ 4 m (13 ft) <u>Bankfull Width:</u> Variable, can be > 50 m (165 ft) <u>Dominant Substrate:</u> Coarse gravel to small boulder <u>Stream Bank Composition:</u> Alluvium <u>Sideslope Length/Angle:</u> Not significant except where the channel cuts through remnant glacial moraine deposits.</p> <p><u>Associated Landforms:</u> 53, 64 <u>Plant Association:</u> Nonforested, Mt.Hemlock/Cassiope, S.Spruce-Cottonwood</p>	<p><u>GOB -Large Braided Glacial Outwash Channel (former - GO3)</u> A very wide, highly braided, glacial outwash plain channel.</p> <p><u>Stream Gradient:</u> <3% <u>Incision Depth:</u> ≤ 2 m (6.6 ft) <u>Bankfull Width:</u> 60- >300 m (196- >990 ft) <u>Dominant Substrate:</u> Coarse gravel to large cobble <u>Stream Bank Composition:</u> Alluvium <u>Sideslope Length/Angle:</u> Not significant except in glacial moraine deposits</p> <p><u>Associated Landforms:</u> 53, 64 <u>Plant Assoc:</u>Nonforest-S.Alder& Willow, S.Spruce-Cottonwood/Alder</p>	

PG characteristics:

Sediment Retention Function:
Moderate, deposition dominates, suspended sediment load is high

Stream Class: I or II
(habitat concentrated in channel margins, side channels)

	
<p>GOM - Moderate Width Glacial Channel (former - GO4) A variable width, moderate gradient, glacial silt, mid-valley channel.</p> <p><u>Stream Gradient</u>: 2-6% <u>Incision Depth</u>: < or = 4 m (13 ft) <u>Bankfull Width</u>: Variable, mean = 31 m (102 ft) <u>Dominant Substrate</u>: Coarse gravel to small boulder <u>Stream Bank Composition</u>: Alluvium or mixed <u>Sideslope Length/Angle</u>: variable/<25%</p> <p><u>Associated Landforms</u>: 53, 51 <u>Plant Association</u>: Nonforest Alder and Willow</p>	<p>GOC - Cirque Channel (former - GO5) A low to moderate gradient, single to braided channel, situated in upper valley cirque basins or hanging valleys.</p> <p><u>Stream Gradient</u>: <6% <u>Incision Depth</u>: ≤2 m (6.6 ft) <u>Bankfull Width</u>: Variable, single or multiple channels <u>Dominant Substrate</u>: Broad range, from bedrock to silt <u>Stream Bank Composition</u>: Alluvium or colluvium <u>Sideslope Length/Angle</u>: Not significant</p> <p><u>Associated Landform</u>: 11, mountain cirques <u>Plant Association</u>: Nonforest alpine meadow, S.Alder & willow, Mt.Hemlock/cassiope</p>
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